CLAIMS

1. An imaging apparatus comprising:

shooting mode selection means for selecting desired shooting mode information from pieces of set shooting mode information, each of the pieces of shooting mode information including information concerning a specific color determined depending on a predetermined shooting condition;

specific color extraction means for extracting video signals of a specific color from video signals on the basis of the shooting mode information selected by the shooting mode selection means;

color difference detection means for detecting color difference data of the specific color from the specific-color video signals extracted by the specific color extraction means;

correction reference data storage means for storing pieces of correction reference data, serving as references for correcting the specific color to a predetermined color;

color correction value calculation means for selecting correction reference data corresponding to the specific color from the correction reference data storage means on the basis of the shooting mode information selected by the shooting mode selection means to calculate color correction values on the basis of the selected correction reference data and the color difference data of the specific color

detected by the color difference detection means, the color correction values being used to correct the specific color to the predetermined color; and

color correction means for correcting the specific color in the video signals to the predetermined color on the basis of the color correction values calculated by the color correction value calculation means.

2. The imaging apparatus according to Claim 1, wherein the specific color extraction means has a function of changing an extraction range of the specific-color video signals depending on the luminance level of the video signals.

3. The imaging apparatus according to Claim 1, wherein the correction reference data storage means has a function capable of changing the stored correction reference data.

4. The imaging apparatus according to Claim 1, wherein the shooting mode selection means has a function of automatically selecting the shooting mode information depending on a shooting environment.

5. An imaging apparatus comprising:

shooting mode selection means for selecting desired shooting mode information from pieces of set shooting mode information, each of the pieces of shooting mode information including information concerning a specific color determined depending on a predetermined shooting condition;

specific color extraction means for extracting video signals of a specific color from video signals on the basis of the shooting mode information selected by the shooting mode selection means;

color difference detection means for detecting color difference data of the specific color from the specific-color video signals extracted by the specific color extraction means;

correction reference data storage means for storing pieces of correction reference data, serving as references for correcting the specific color to a predetermined color;

color correction value calculation means for selecting correction reference data corresponding to the specific color from the correction reference data storage means on the basis of the shooting mode information selected by the shooting mode selection means to calculate color correction values on the basis of the selected correction reference data and the color difference data of the specific color detected by the color difference detection means, the color correction values being used to correct the specific color to the predetermined color;

color correction means for correcting the specific color of the video signals to the predetermined color on the basis of the color correction values calculated by the color correction value calculation means; and

luminance correction means for correcting the luminance level of the video signals depending on the luminance level of the specific-color video signals extracted by the specific color extraction means.

6. The imaging apparatus according to Claim 5, wherein the luminance correction means has a function of calculating the ratio of the specific-color video signals to the video signals to correct the luminance level of the specific-color video signals in accordance with the calculated ratio.

7. The imaging apparatus according to Claim 5, wherein the specific color extraction means has a function of changing an extraction range of the specific-color video signals depending on the luminance level of the video signals.

8. The imaging apparatus according to Claim 5, wherein the correction reference data storage means has a function capable of changing the stored correction reference data.

9. The imaging apparatus according to Claim 5, wherein the shooting mode selection means has a function of automatically selecting the shooting mode information depending on a shooting environment.

10. An imaging method comprising:

a shooting mode selection step of selecting desired shooting mode information from pieces of set shooting mode information, each of the pieces of shooting mode information

including information concerning a specific color determined depending on a predetermined shooting condition;

a specific color extraction step of extracting video signals of a specific color from video signals on the basis of the shooting mode information selected in the shooting mode selection step;

a color difference detection step of detecting color difference data of the specific color from the specific-color video signals extracted in the specific color extraction step;

a color correction value calculation step of selecting correction reference data corresponding to the specific color from correction reference data storage means for storing pieces of correction reference data, serving as references for correcting the specific color to a predetermined color, on the basis of the shooting mode information selected in the shooting mode selection step to calculate color correction values on the basis of the selected correction reference data and the color difference data of the specific color detected in the color difference detection step, the color correction values being used to correct the specific color to the predetermined color; and

a color correction step of correcting the specific color of the video signals to the predetermined color on the basis of the color correction values calculated in the color

correction value calculation step.